



PTO/SB/08B (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 10**Complete if Known**

Application Number	10/758,599
Filing Date	January 16, 2004
First Named Inventor	Danny Grant
Art Unit	2837
Examiner Name	
Attorney Docket Number	IMMR064/00 US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
P.Z.		2,972,140	2/14/1961	Hirsch	
		3,157,853	11/17/1964	Hirsch	
		3,220,121	11/30/1965	Cutler	
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		5,019,761	5/28/1991	Kraft	
		5,022,384	6/11/1991	Freels	

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F-2		5,022,407	6/11/1991	Horch et al.	
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Sheet 3 of 10**Complete if Known**

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I-Z		5,506,605	04/1996	Paley	
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Sheet **4** of **10****Complete if Known**

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First Named Inventor	Danny Grant
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Attorney Docket Number	IMMR064/00 US

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		Number Kind Code ² (if known)			
I-I		5,897,437	04/1999	Nishiumi et al.	
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I-I		6,469,692	10/2002	Rosenberg	
I-I		6,563,487	05/2003	Martin et al.	

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Sheet 5 of 10**Complete if Known**

Application Number	10/758,599
Filing Date	January 16, 2004
First Named Inventor	Danny Grant
Art Unit	2837
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		Country Code ³	Number ⁴	Kind Code ⁴ (if known)			
<u>L-Z</u>		EP	0349086		1/3/1990	Stork Kwant B.V.	
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<u>f-z</u>		EP	0 265 011 A1		04/1988		
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<u>L-Z</u>		WO	WO 00/03319		01/2000		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		BAIGRIE, "Electric Control Loading - A Low Cost, High Performance Alternative," <i>Proceedings of Interservice/Industry Training Systems Conference</i> , pp. 247-254, November 6-8, 1990.
		IWATA, "Pen-based Haptic Virtual Environment," <i>U-7803-1363-1/93 IEEE</i> , pp. 287-292, 1993.
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		BROOKS et al., "Hand Controllers for Teleoperation - A State-of-the-Art Technology Survey and Evaluation," <i>JPL Publication 85-11; NASA-CR-175890; N85-28559</i> , pp. 1-84, 03/1/1985.
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Sheet 6 of 10**Complete if Known**

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		Country Code ³	Number ⁴	Kind Code ² (if known)			
			SNOW et al., "Model-X Force-Reflecting-Hand-Controller," NT Control No. NPO-17851; JPL Case No. 7348, pp. 1-4, with 45 pages of attachments, 06/15/1989.				
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			BEJCZY et al., "Generalization of Bilateral Force-Reflecting Control of Manipulators," <i>Proceedings Of Fourth CISM-IFTOMM</i> , Sep. 8-12, 1981.				
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			SHIMOGA, "Finger Force and Touch Feedback Issues in Dexterous Telemanipulation," <i>Proceedings of Fourth Annual Conference on Intelligent Robotic Systems for Space Exploration</i> , Rensselaer Polytechnic Institute, Sep. 30 - Oct. 1, 1992.				
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			OON-YOUNG, "A Low Cost Force Feedback Joystick and Its Use in PC Video Games," <i>IEEE Transactions on Consumer Electronics</i> , Vol. 41, No. 3, August 1995.				
			MARCUS, "Touch Feedback in Surgery," <i>Proceedings of Virtual Reality and Medicine The Cutting Edge</i> , Sept. 8-11, 1994.				
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			WIKER, "Telatouch Display Development Phase I Report," <i>Technical Report 1230</i> , Naval Ocean Systems Center, San Diego, July 1988.				

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Sheet **8** of **10****Complete if Known**

Application Number	10/758,599
Filing Date	January 16, 2004
First Named Inventor	Danny Grant
Art Unit	2837
Examiner Name	
Attorney Docket Number	IMMR064/00 US

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
			BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.				
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